

FIBER OPTIC POINT TEMPERATURE SENSOR

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ABSTRACT

A fiber optic sensor for monitoring point temperature of in situ reactions in remote, based on the principle of guiding light by means of total internal reflection (TIR) occurring in a right-angled prism, mounted on a glass capillary tube comprises isopropyl alcohol in it and rises due to increase in temperature and touches the prism surface thereby preventing the occurrence of TIR thus reducing the level of output optical signal detected.

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